

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK  
GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

07/13/2011

Christina Corda  
Assistant District Attorney, Suffolk County

Dear ADA Corda,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]  
Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Daniel Renczkowski
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Daniel Renczkowski was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to be 'Annie Dookhan'.

Annie Dookhan  
Chemist II  
Drug Analysis Lab  
Jamaica Plain, MA. 02130  
(617) 983-6631

## Curriculum Vitae

Annie Khan (Dookhan)

### Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

### Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

\*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

\*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

\*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

\*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

\*Maintenance and repairs of all analytical instruments.

\*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

\*Responsible for the Quality Control/Quality Assurance program for the drug lab.

\*Notary Public.

\*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

\*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

\*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

\*Writing, revising and reviewing Standard Operating Procedures (SOPs).

\*Trained and supervised new chemists and interns for the department.

\*Routine QC testing of products for the FDA.

\*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

\*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

\*Complete testing of chemicals for Vendor Validation Project for the FDA.

\*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

### Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

### Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

## Curriculum Vitae

Daniel Renczkowski

### Education

Degree: Bachelors of Science in Forensic Chemistry,  
May 2005 from Buffalo State College  
GPA: 3.84, Dean's List, Honor's Recognition  
American Chemical Society Undergraduate Award  
Phi Lambda Upsilon Membership

Related Coursework:	Analytical Chemistry	Physical Chemistry
	Organic Chemistry I and II	Instrumental Chemistry
	Biochemistry	Forensics Laboratory
	Chemistry of Criminalistics	Physical Evidence
	Anatomy	Physiology

### Employment

Massachusetts Department of Public Health Drug Analysis Laboratory

Chemist I (October 2005 – March 2008)

Chemist II (March 2008 – present)

- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff
- Successfully completed GC/MS training program
- Responsible for the identification of substances to determine violation of the Controlled Substances Act of the Massachusetts General Laws
- Responsible for maintenance and repairs of analytical instruments
- Responsible for quality control of analytical instruments and standards

### Related Experience

Niagara County Forensics Laboratory

Forensic Internship, January 2005

- Conducted research on the presumptive testing of saliva
- Conducted research on the identification and detection of lubricants
- Observed all aspects of the laboratory including drug analysis, firearms comparison, trace evidence, arson investigation, toxicology, and serology
- Daily use of FTIR microscope and DuraSamplerII
- Familiarized with GC/MS programs

**DRUG RECEIPT**

CC #

BOOK #

PAGE #

DESTRUCTION #

District/Unit

Name &amp; Rank of Arresting Officer

ID#

DEFENDANT'S NAME

ADDRESS

CITY

STATE

DESCRIPTION OF ITEMS SUBMITTED

GROSS  
QUANTITYGROSS  
WEIGHT

## LAB USE ONLY

ANALYSIS  
NUMBER

Heroin

1 p/B

2.23g

Cocaine

1 p/B

2.43g

Suboxone

Half pill

2.27g

To be completed by ECU personnel only

Name and Rank of Submitting Officer

ID#

Received by

Date

ECU Control #

No. [REDACTED] Date Analyzed: 6-21-11  
City: Boston D.C.U. Police  
Officer: P.O. KEITH BUTLER

Def: [REDACTED]  
Amount: Subst: SUB  
No. Cont: 1 Cont: pb

Date Rec'd: 04/08/2011 No. Analyzed:

Gross Wt: 2.230 Net Wt: 0.13  
#Tests: 4AD  
• 2DJR

Prelim: Heroin Findings: Heroin

No. [REDACTED] Date Analyzed: 6-21-11  
City: Boston D.C.U. Police  
Officer: P.O. KEITH BUTLER

Def: [REDACTED]  
Amount: Subst: SUB  
No. Cont: 1 Cont: pb

Date Rec'd: 04/08/2011 No. Analyzed:

Gross Wt: 2.430 Net Wt: 0.27  
#Tests: 6AD  
• 2DJR

Prelim: cocaine Findings: Cocaine

# DRUG POWDER ANALYSIS FORM

SAMPLE #                      AGENCY Boston ANALYST ASJ

No. of samples tested:           

Evidence Wt.                     

## PHYSICAL DESCRIPTION:

Beige powdered substance  
in ps

Gross Wt ( ): 0.1728

Gross Wt ( ):                     

Pkg. Wt:                     

Net Wt: 0.1350

## PRELIMINARY TESTS

### Spot Tests

Cobalt  
Thiocyanate (+)

Marquis +

Froehde's +

Mecke's +

### Microcrystalline Tests

Gold  
Chloride                     

TLTA ( )                     

### OTHER TESTS

## PRELIMINARY TEST RESULTS

RESULTS Heroin

DATE 6-10-11

## GC/MS CONFIRMATORY TEST

RESULTS Heroin

MS  
OPERATOR DJR

DATE 6-21-11

# DRUG POWDER ANALYSIS FORM

SAMPLE # \_\_\_\_\_ AGENCY Boston ANALYST ASJ

No. of samples tested:

Evidence Wt.

PHYSICAL DESCRIPTION:

white cherry substance  
17. pt

Gross Wt ( ): 0.3858

Gross Wt ( ): \_\_\_\_\_

Pkg. Wt:

Net Wt: 0.2772

## PRELIMINARY TESTS

## Spot Tests

Cobalt  
Thiocyanate ( + )

Marquis

Froehde's

Mecke's

### Microcrystalline Tests

Gold  
Chloride +

TLTA ( + )

## OTHER TESTS

## PRELIMINARY TEST RESULTS

RESULTS Cocaine

DATE: 6-10-11

GC/MS CONFIRMATORY TEST

RESULTS      cocaine

MS  
OPERATOR 032

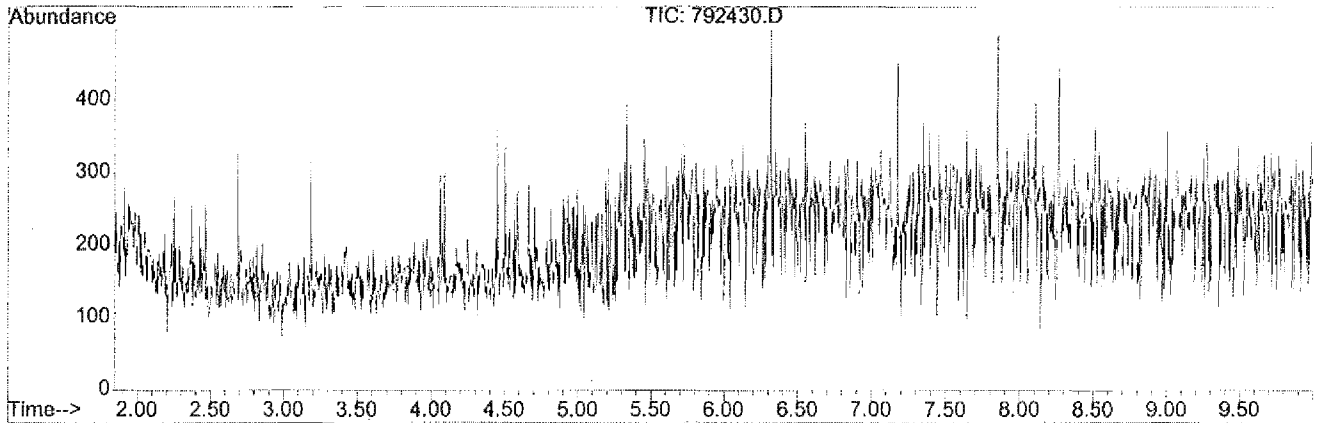
DATE 6-21-11

Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\06\_17\_11\792430.D  
Operator : DJR  
Date Acquired : 20 Jun 2011 9:33  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

✓DJR  
7-13-11



Ret. Time	Area	Area %	Ratio %
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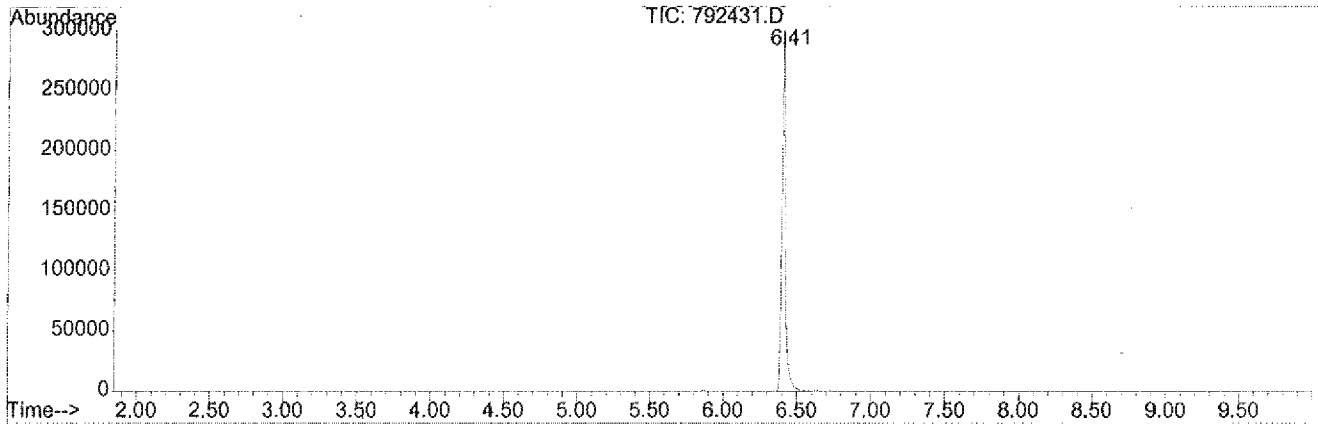
\*\*\*NO INTEGRATED PEAKS\*\*\*



# Area Percent / Library Search Report

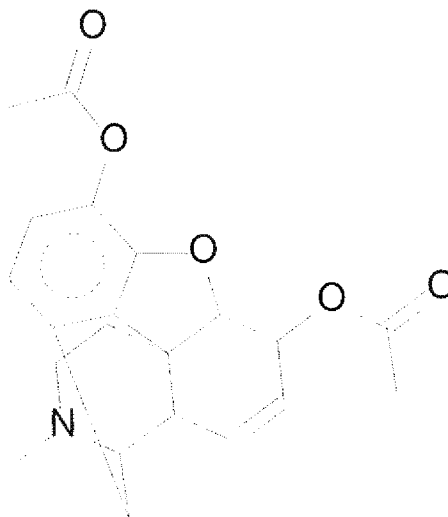
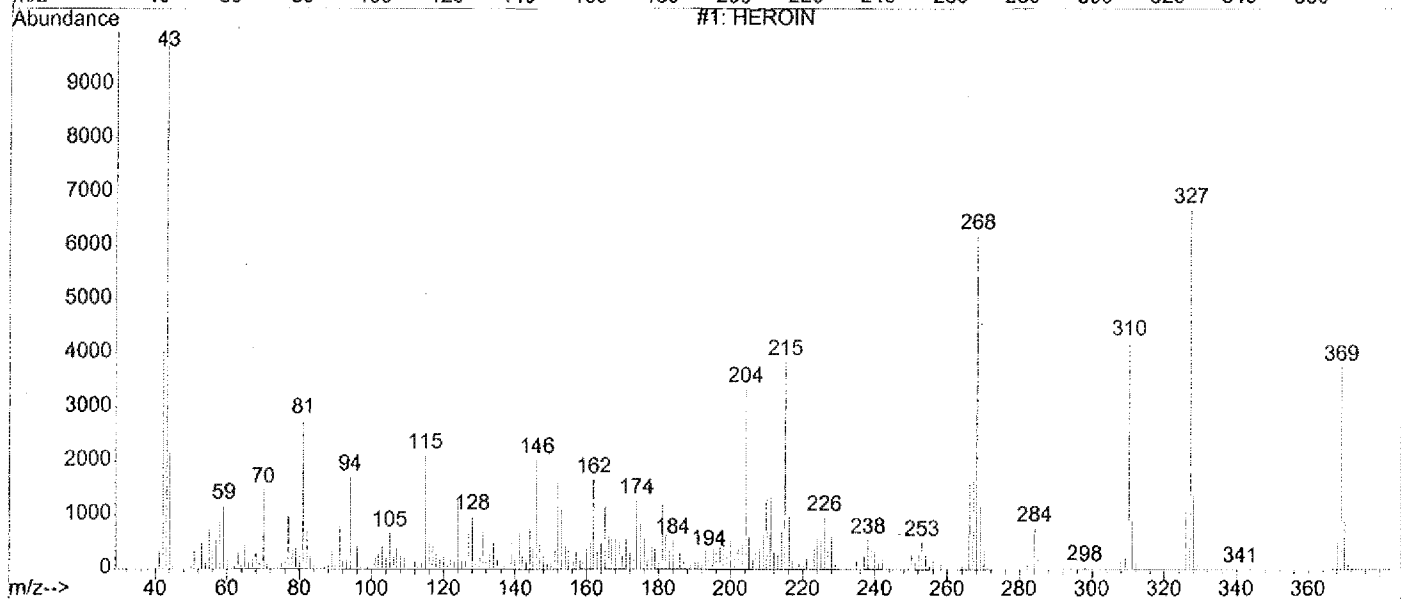
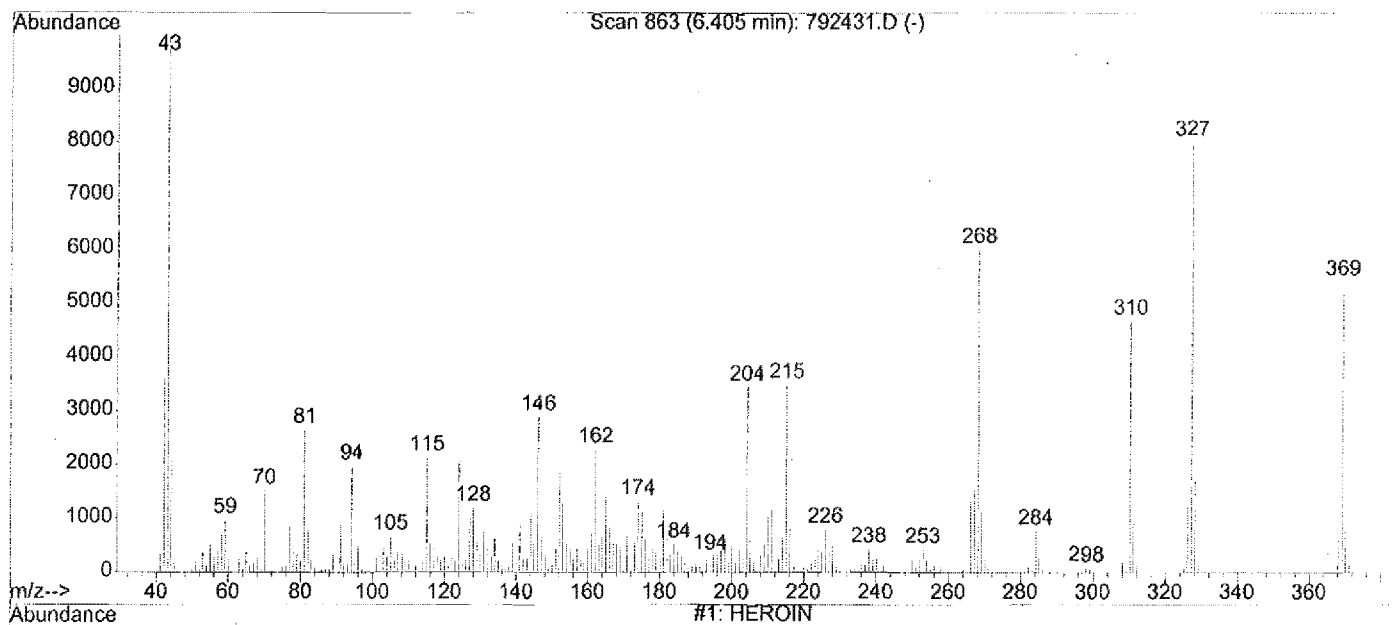
Information from Data File:

File Name : D:\SYSTEM4\06\_17\_11\792431.D  
 Operator : DJR  
 Date Acquired : 20 Jun 2011 9:46  
 Sample Name : HEROIN STD  
 Submitted by :  
 Vial Number : 31  
 AcquisitionMeth: DRUGS  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.405	502837	100.00	100.00

Library Searched : C:\DATABASE\SLI.L  
Quality : 99  
ID : HEROIN



# Area Percent / Library Search Report

**Information from Data File:**

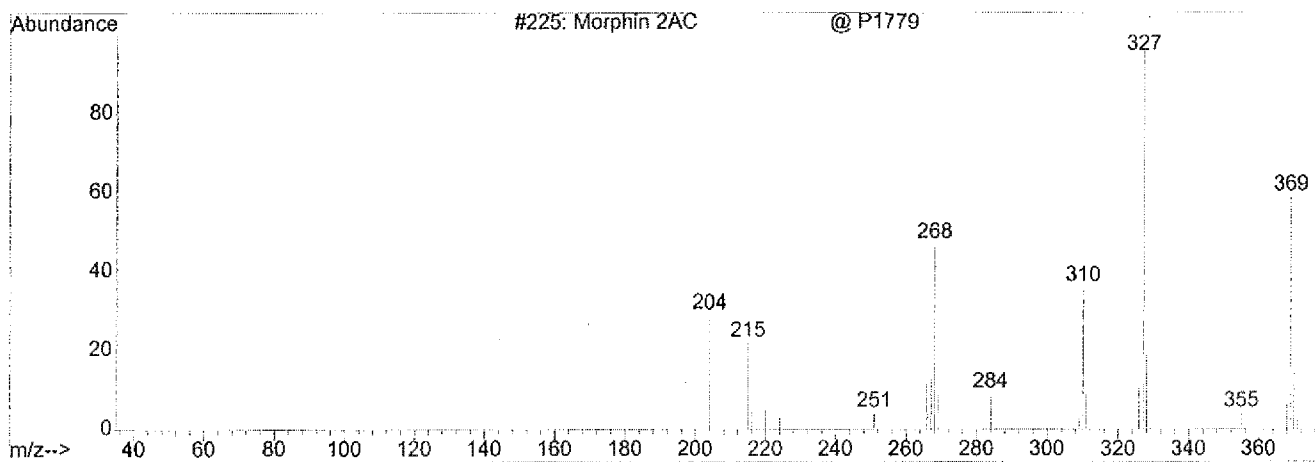
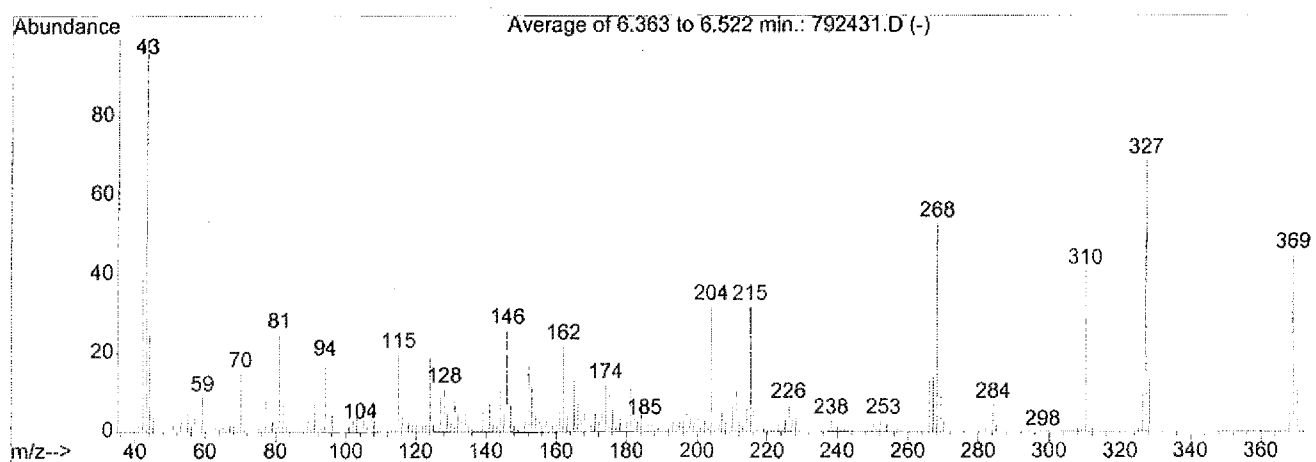
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File Name       : D:\SYSTEM4\06_17_11\792431.D
Operator        : DJR
Date Acquired   : 20 Jun 2011   9:46
Sample Name     : HEROIN STD
Submitted by    :
Vial Number     : 31
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	6.41	C:\DATABASE\PMW_TOX2.L		
		Morphin 2AC	@ 000561-27-3	93
		Heroin-M (6-acetyl-morphine)	059833-14-6	60
		Naloxone AC	000000-00-0	43



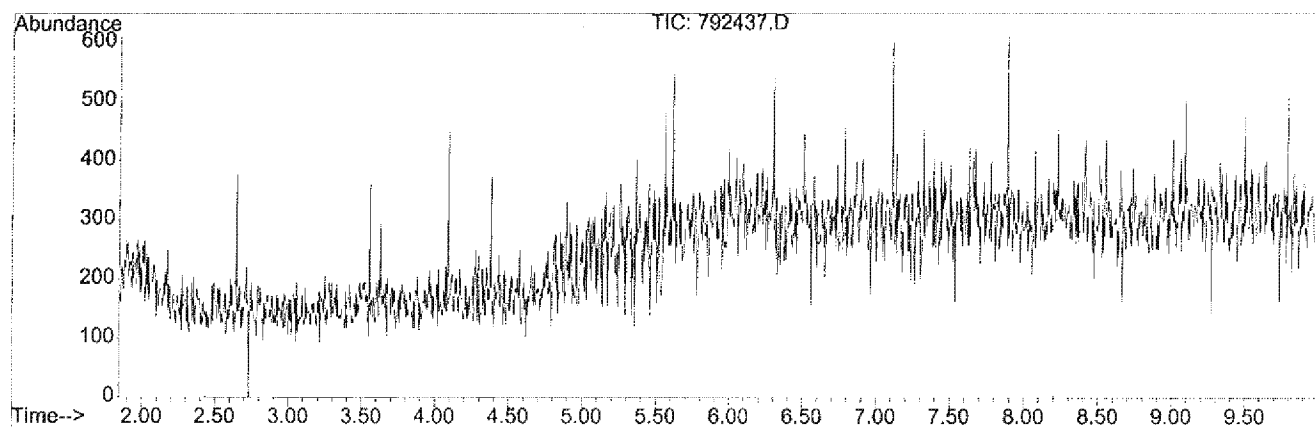
# Area Percent / Library Search Report

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## Information from Data File:

File Name : D:\SYSTEM4\06\_17\_11\792437.D  
Operator : DJR  
Date Acquired : 20 Jun 2011 11:06  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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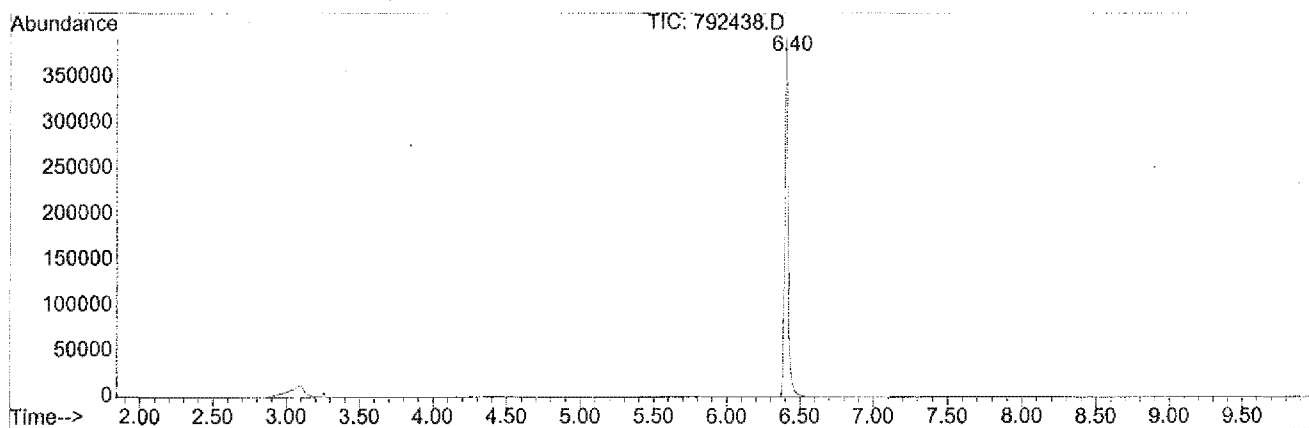
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

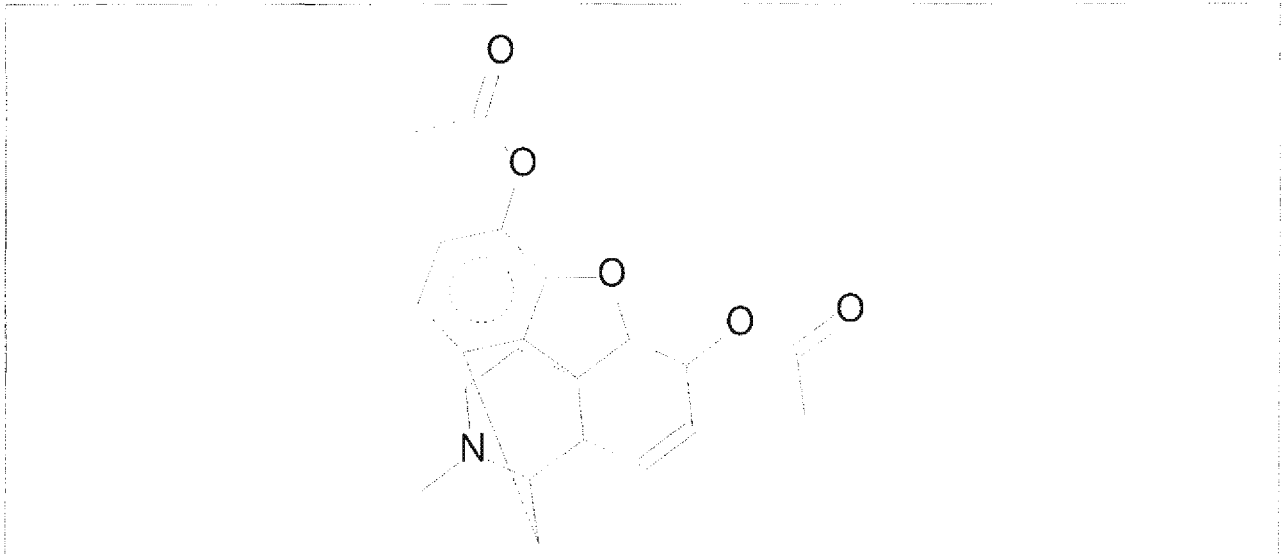
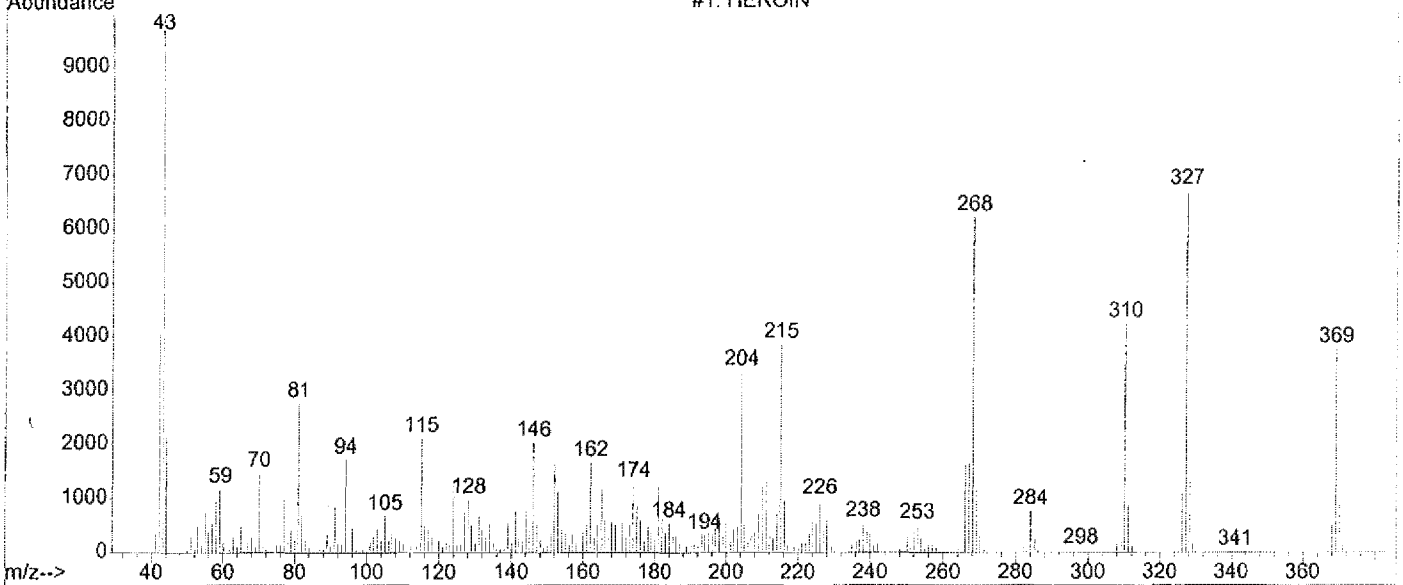
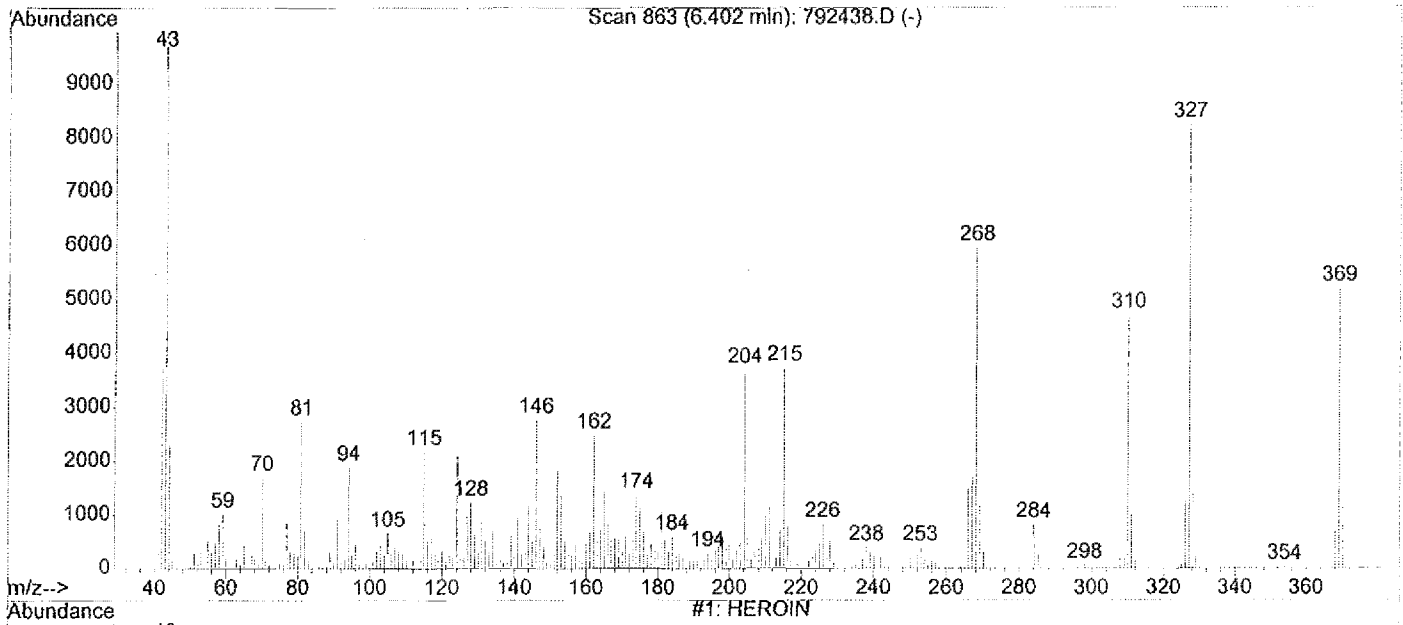
Information from Data File:

File Name : D:\SYSTEM4\06\_17\_11\792438.D  
 Operator : DJR  
 Date Acquired : 20 Jun 2011 11:20  
 Sample Name : XXXXXXXXXX  
 Submitted by : ASD  
 Vial Number : 38  
 AcquisitionMeth: DRUGS  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.402	617323	100.00	100.00

Library Searched : C:\DATABASE\SLI.L  
Quality : 99  
ID : HEROIN



# Area Percent / Library Search Report

**Information from Data File:**

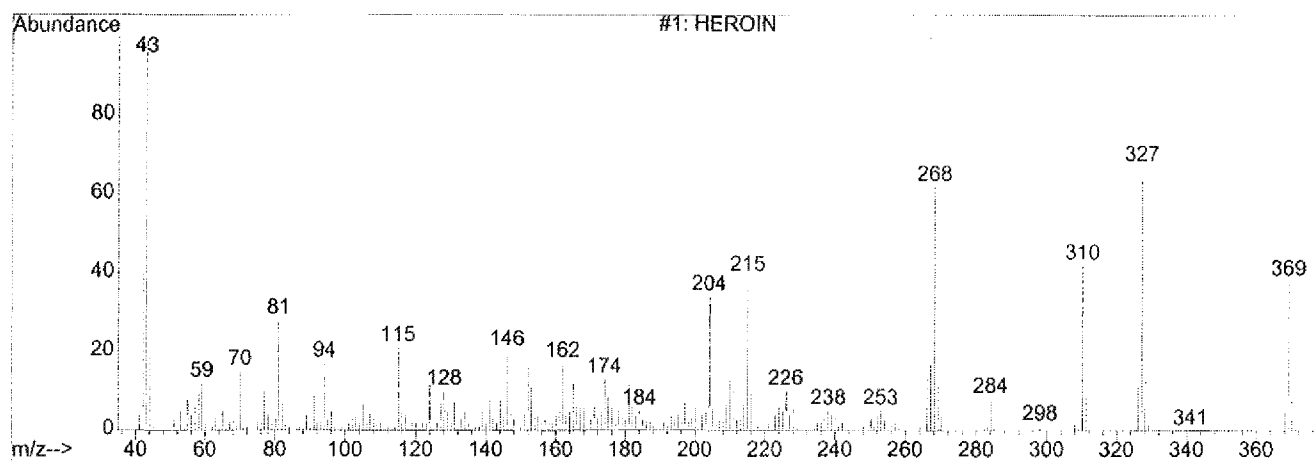
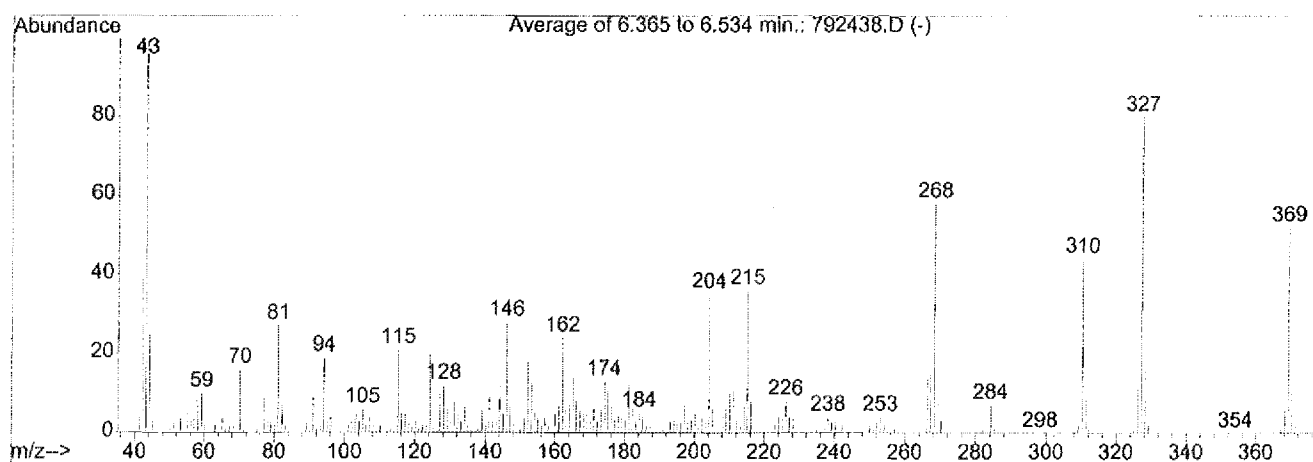
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File Name       : D:\SYSTEM4\06_17_11\792438.D
Operator        : DJR
Date Acquired   : 20 Jun 2011  11:20
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 38
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	6.40	C:\DATABASE\SLI.L		
		HEROIN	000561-27-3	99
		JWH-073	208987-48-8	2



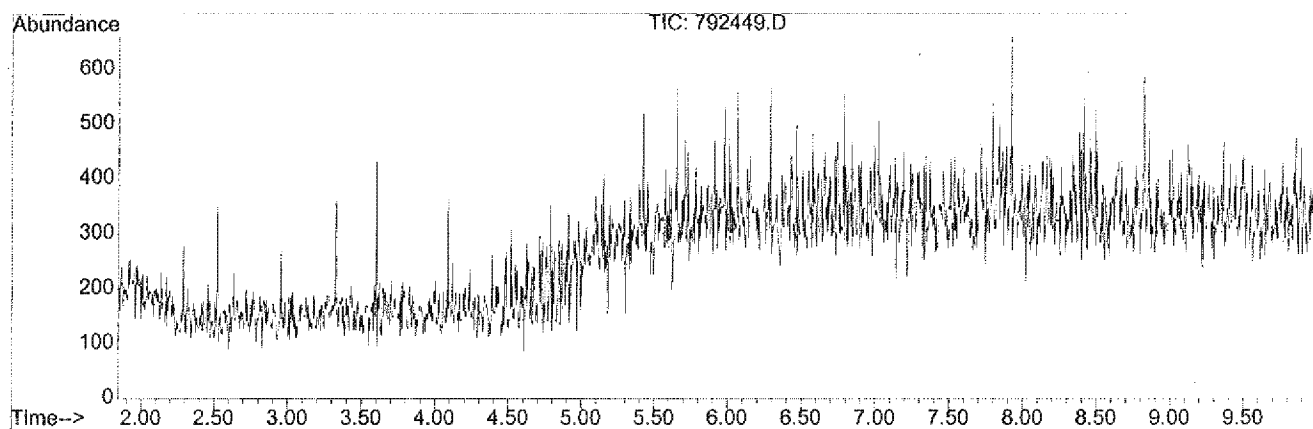
# Area Percent / Library Search Report

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## Information from Data File:

File Name : D:\SYSTEM4\06\_17\_11\792449.D  
Operator : DJR  
Date Acquired : 20 Jun 2011 13:47  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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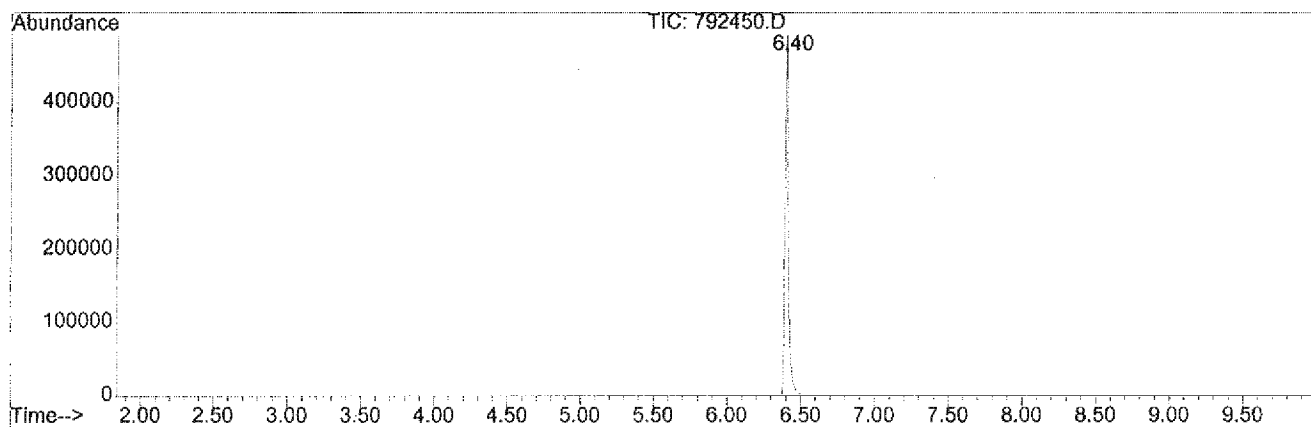
\*\*\*NO INTEGRATED PEAKS\*\*\*



# Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\06\_17\_11\792450.D  
 Operator : DJR  
 Date Acquired : 20 Jun 2011 14:01  
 Sample Name : HEROIN STD  
 Submitted by :  
 Vial Number : 31  
 AcquisitionMeth: DRUGS  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.402	791317	100.00	100.00

# Area Percent / Library Search Report

**Information from Data File:**

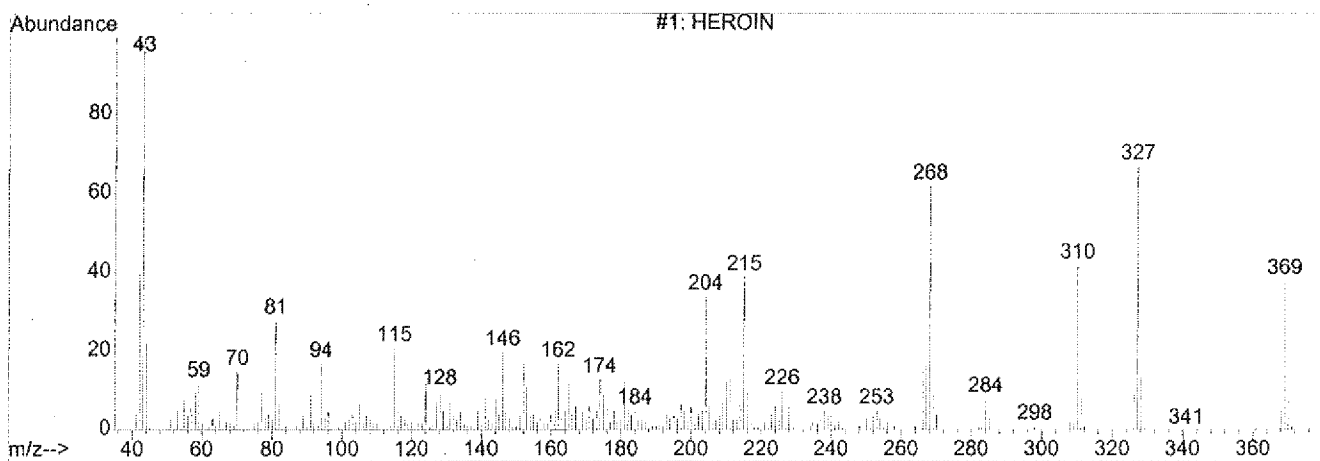
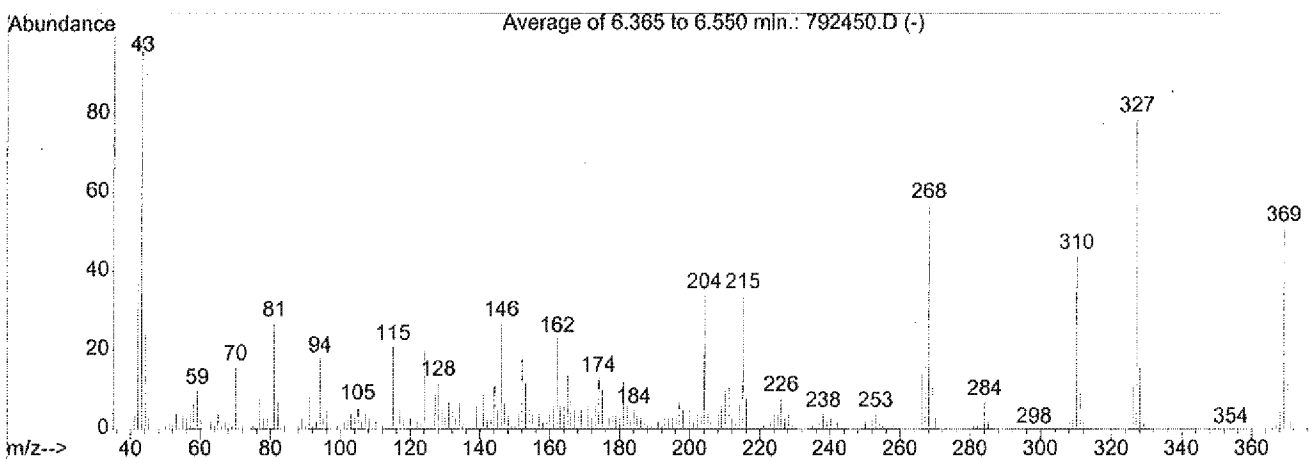
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File Name       : D:\SYSTEM4\06_17_11\792450.D
Operator        : DJR
Date Acquired   : 20 Jun 2011  14:01
Sample Name     : HEROIN STD
Submitted by    :
Vial Number     : 31
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	6.40	C:\DATABASE\SLI.L		
		HEROIN	000561-27-3	99
		JWH-073	208987-48-8	2



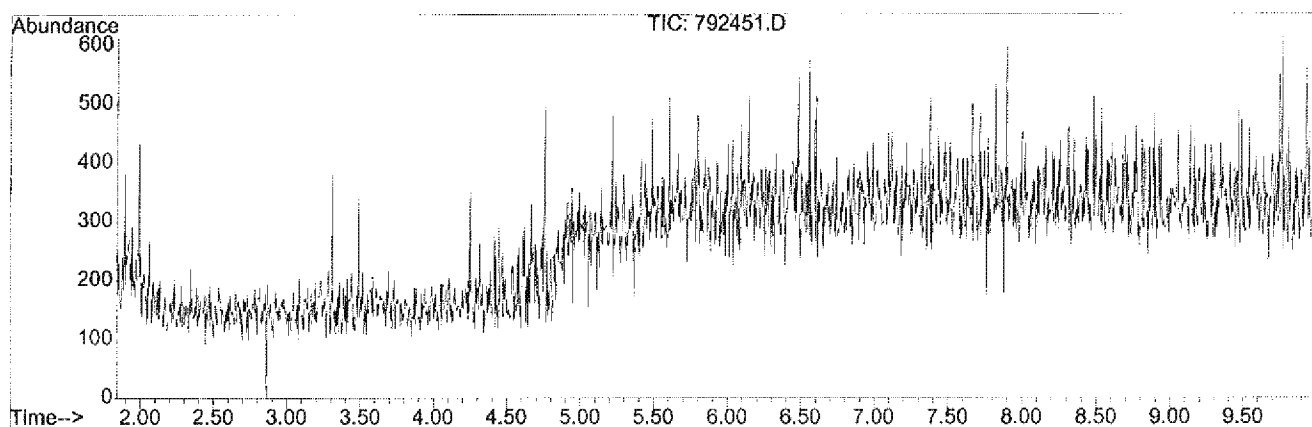
# Area Percent / Library Search Report

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Information from Data File:

File Name : D:\SYSTEM4\06\_17\_11\792451.D  
 Operator : DJR  
 Date Acquired : 20 Jun 2011 14:14  
 Sample Name : BLANK  
 Submitted by :  
 Vial Number : 2  
 AcquisitionMeth: DRUGS  
 Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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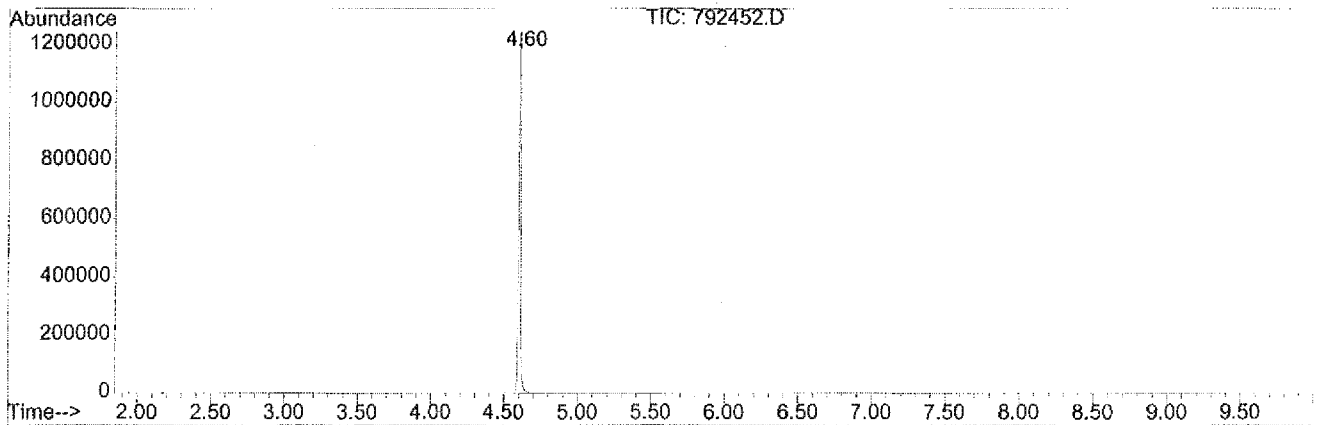
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\06\_17\_11\792452.D  
 Operator : DJR  
 Date Acquired : 20 Jun 2011 14:27  
 Sample Name : COCAINE STD  
 Submitted by :  
 Vial Number : 52  
 AcquisitionMeth: DRUGS  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.603	1242088	100.00	100.00

# Area Percent / Library Search Report

**Information from Data File:**

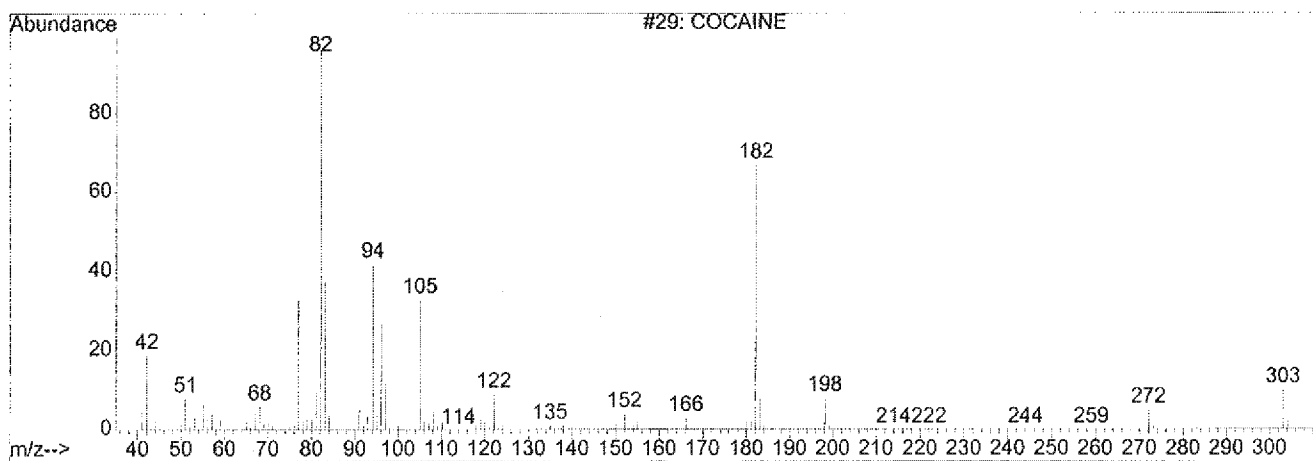
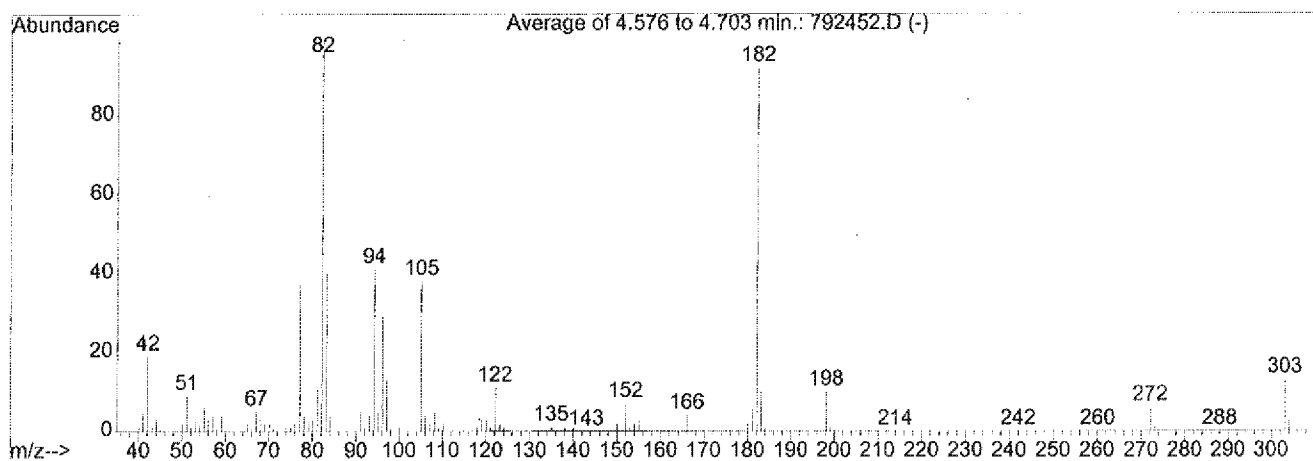
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File Name       : D:\SYSTEM4\06_17_11\792452.D
Operator        : DJR
Date Acquired   : 20 Jun 2011  14:27
Sample Name     : COCAINE STD
Submitted by    :
Vial Number     : 52
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	4.60	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



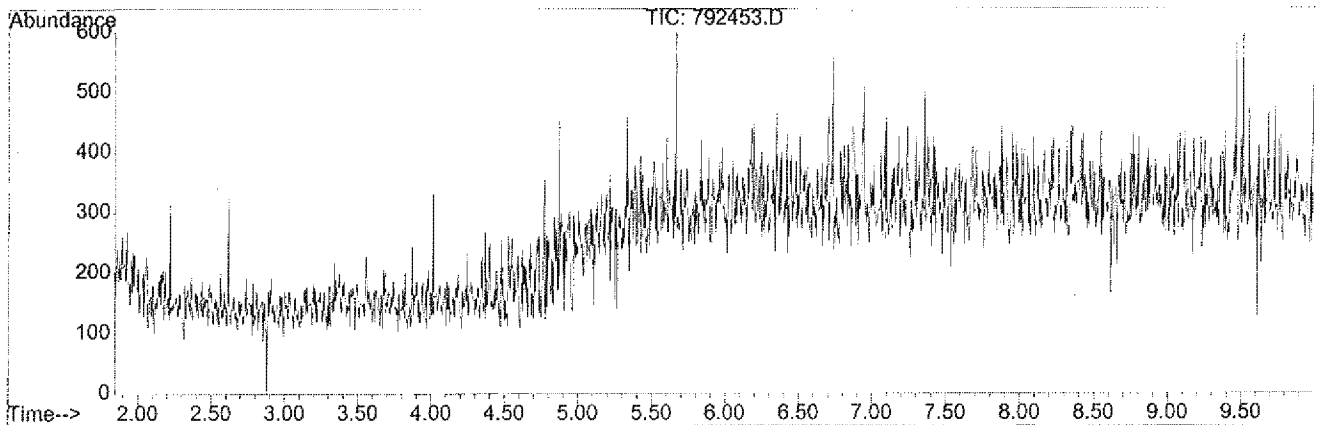
# Area Percent / Library Search Report

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## Information from Data File:

File Name : D:\SYSTEM4\06\_17\_11\792453.D  
Operator : DJR  
Date Acquired : 20 Jun 2011 14:41  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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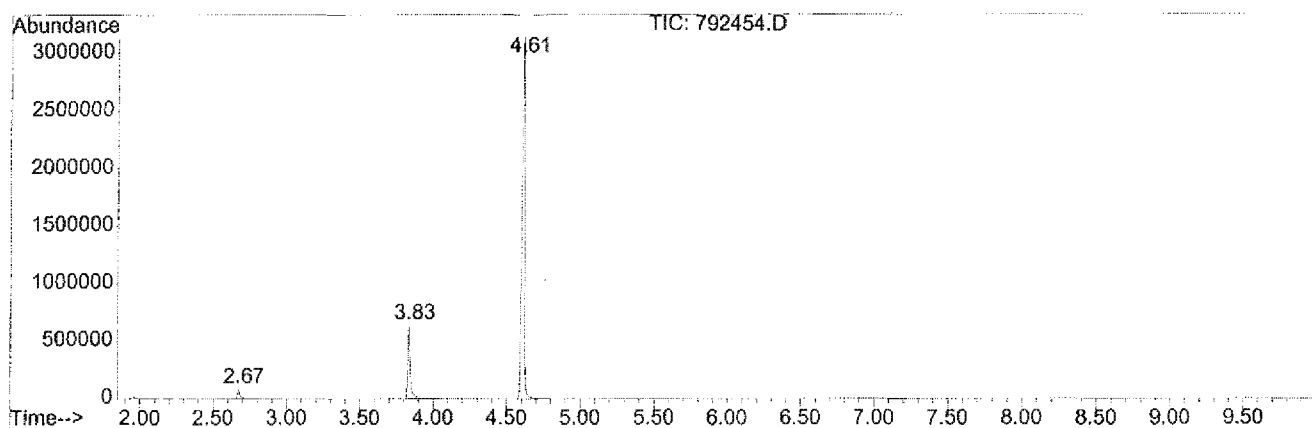
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\06\_17\_11\792454.D  
 Operator : DJR  
 Date Acquired : 20 Jun 2011 14:54  
 Sample Name : XXXXXXXXXX  
 Submitted by : ASD  
 Vial Number : 54  
 AcquisitionMeth: DRUGS  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
2.671	108394	2.30	2.79
3.834	726096	15.40	18.71
4.612	3879924	82.30	100.00

# Area Percent / Library Search Report

**Information from Data File:**

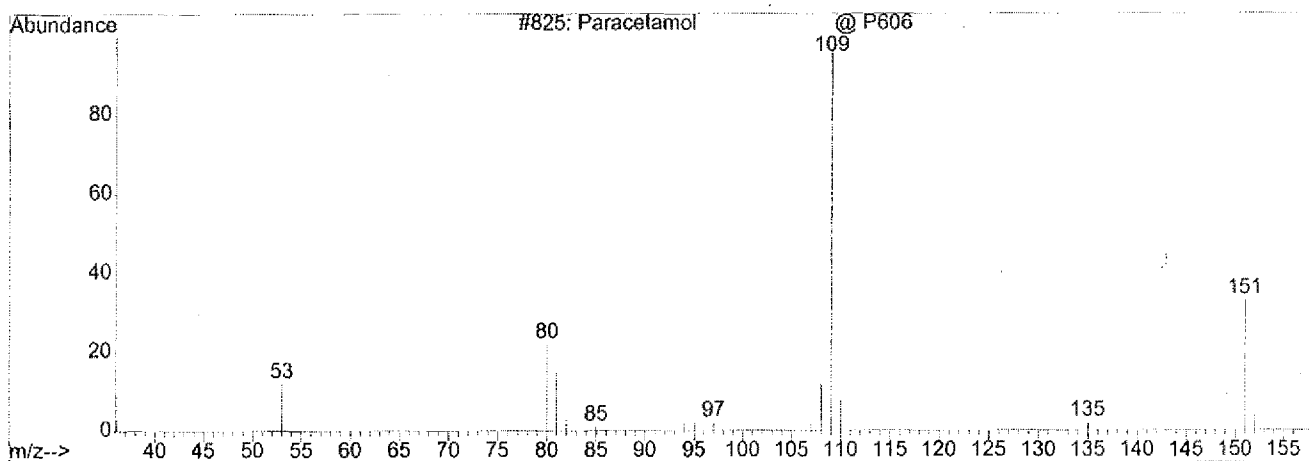
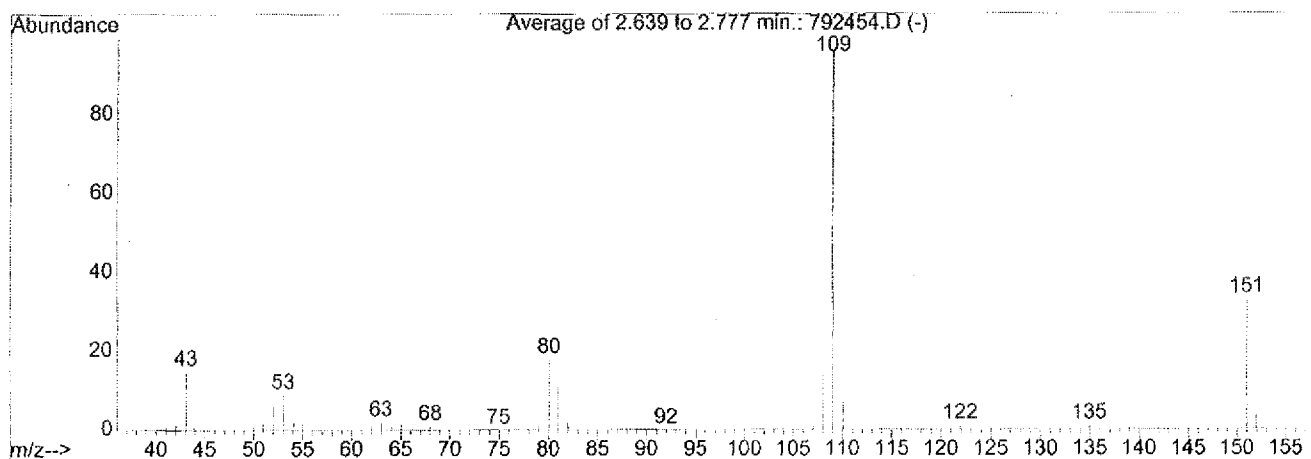
```

File Name       : D:\SYSTEM4\06_17_11\792454.D
Operator        : DJR
Date Acquired   : 20 Jun 2011  14:54
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 54
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	2.67	C:\DATABASE\PMW_TOX2.L		
		Paracetamol	@ 000103-90-2	91
		Paracetamol AC	@ 000000-00-0	43
		Paracetamol 2AC	@ 000000-00-0	39





# Area Percent / Library Search Report

**Information from Data File:**

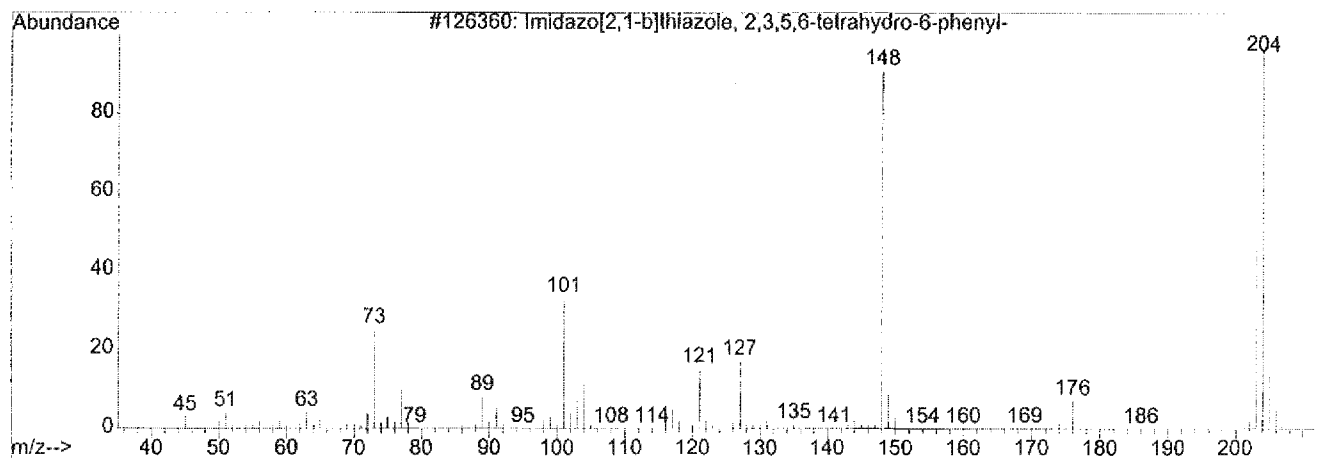
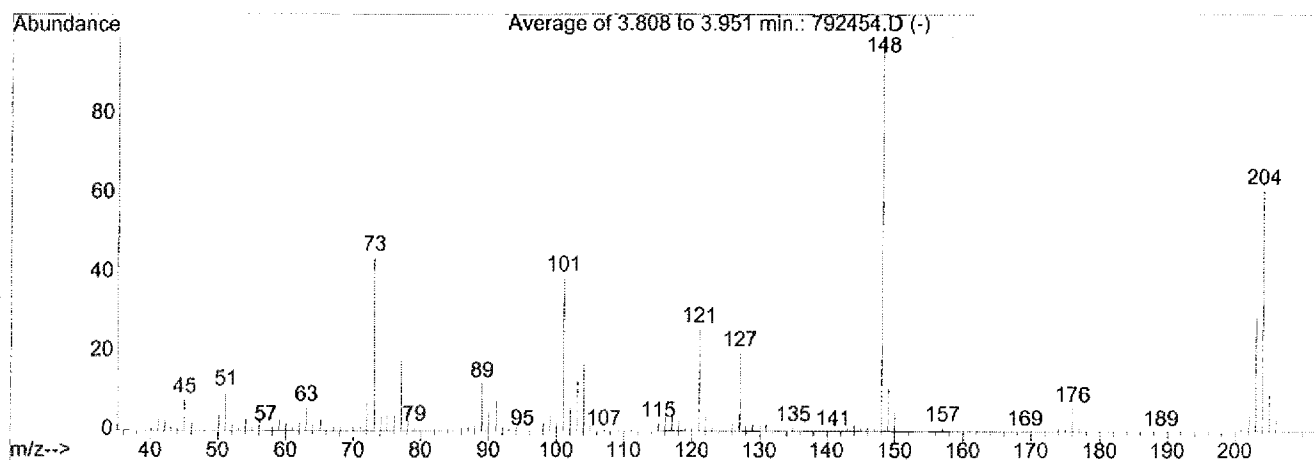
```

File Name       : D:\SYSTEM4\06_17_11\792454.D
Operator        : DJR
Date Acquired   : 20 Jun 2011  14:54
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 54
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries:  C:\DATABASE\SLI.L             Minimum Quality: 90
                   C:\DATABASE\PMW_TOX2.L        Minimum Quality: 90
                   C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
2	3.83	C:\DATABASE\NIST98.L		
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	98
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	98
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	97



# Area Percent / Library Search Report

**Information from Data File:**

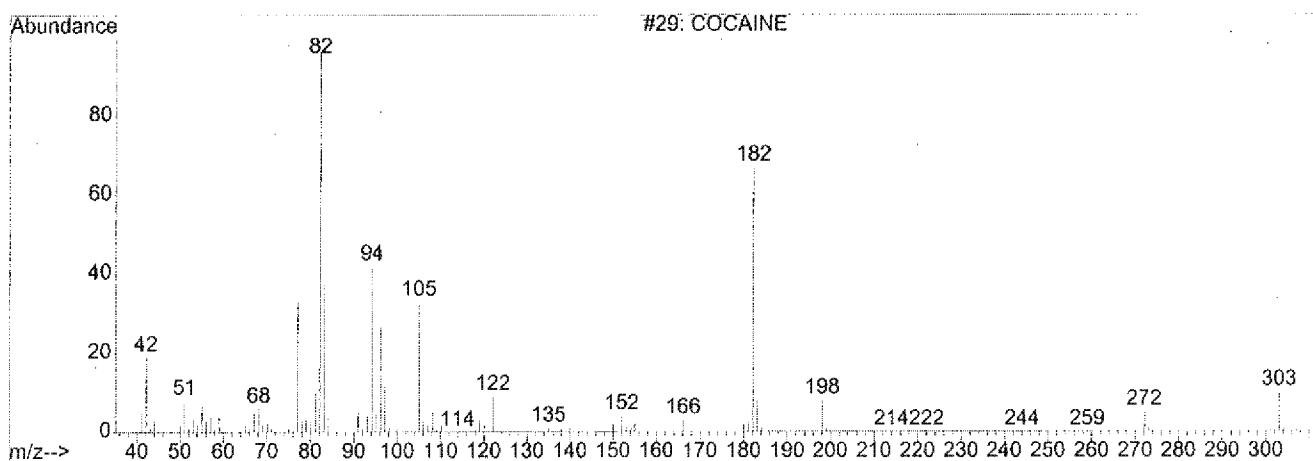
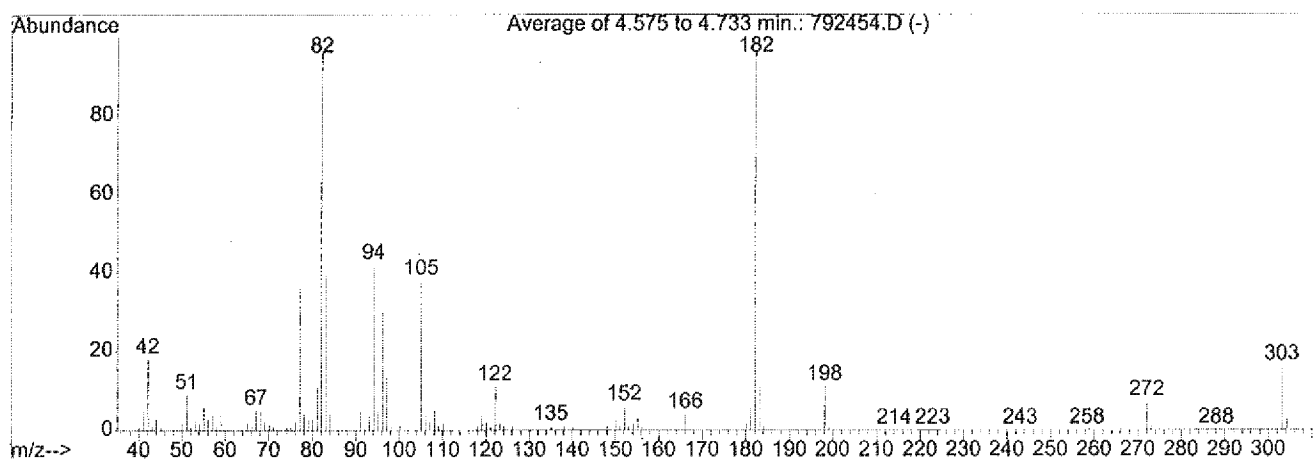
```

File Name       : D:\SYSTEM4\06_17_11\792454.D
Operator        : DJR
Date Acquired   : 20 Jun 2011  14:54
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 54
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
3	4.61	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



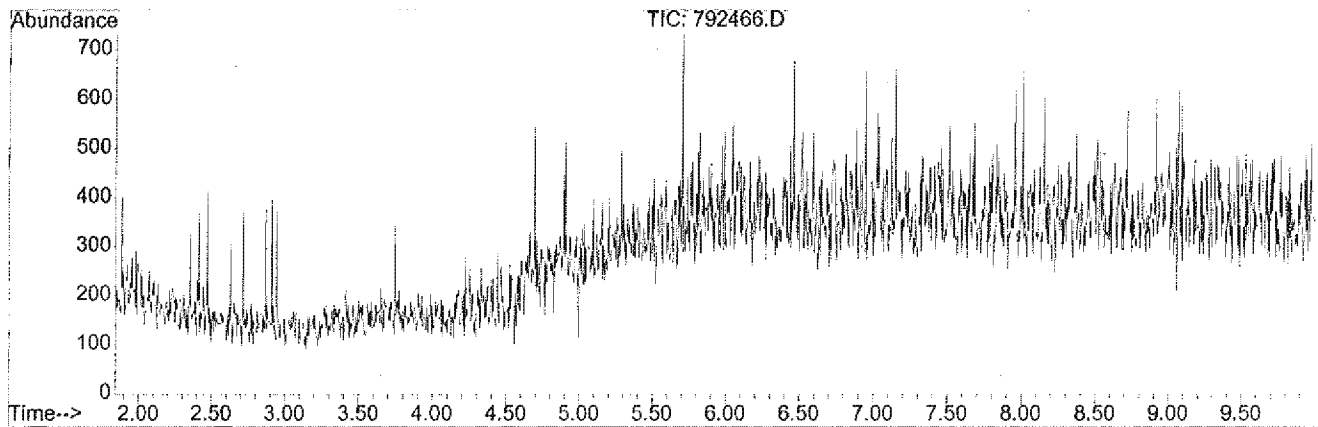
# Area Percent / Library Search Report

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## Information from Data File:

File Name : D:\SYSTEM4\06\_17\_11\792466.D  
Operator : DJR  
Date Acquired : 20 Jun 2011 17:35  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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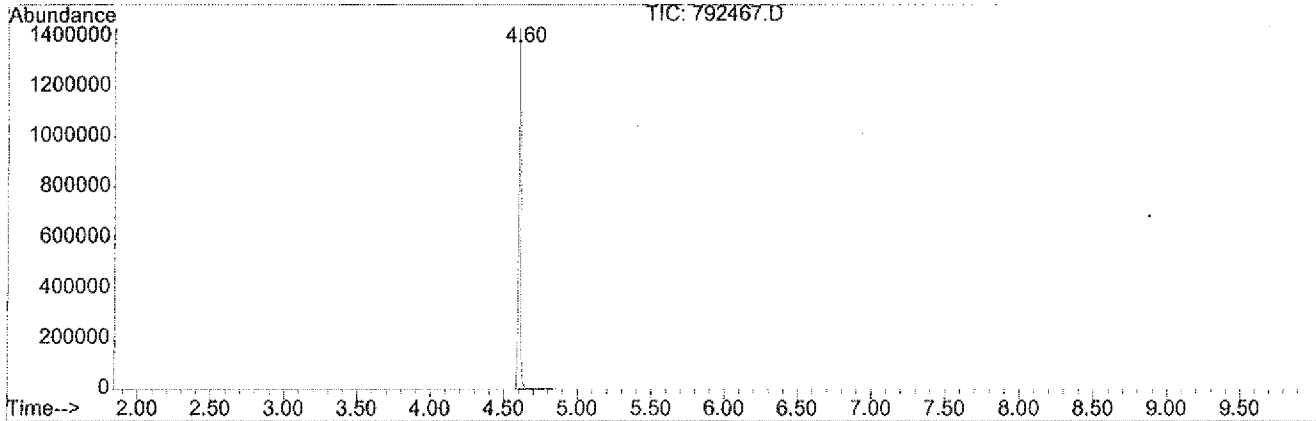
---

\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\06\_17\_11\792467.D  
 Operator : DJR  
 Date Acquired : 20 Jun 2011 17:48  
 Sample Name : COCAINE STD  
 Submitted by :  
 Vial Number : 52  
 AcquisitionMeth: DRUGS  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.599	1346058	100.00	100.00

# Area Percent / Library Search Report

**Information from Data File:**

```

File Name       : D:\SYSTEM4\06_17_11\792467.D
Operator        : DJR
Date Acquired   : 20 Jun 2011  17:48
Sample Name     : COCAINE STD
Submitted by    :
Vial Number     : 52
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	4.60	C:\DATABASE\SLI.L COCAINE	000050-36-2	99

